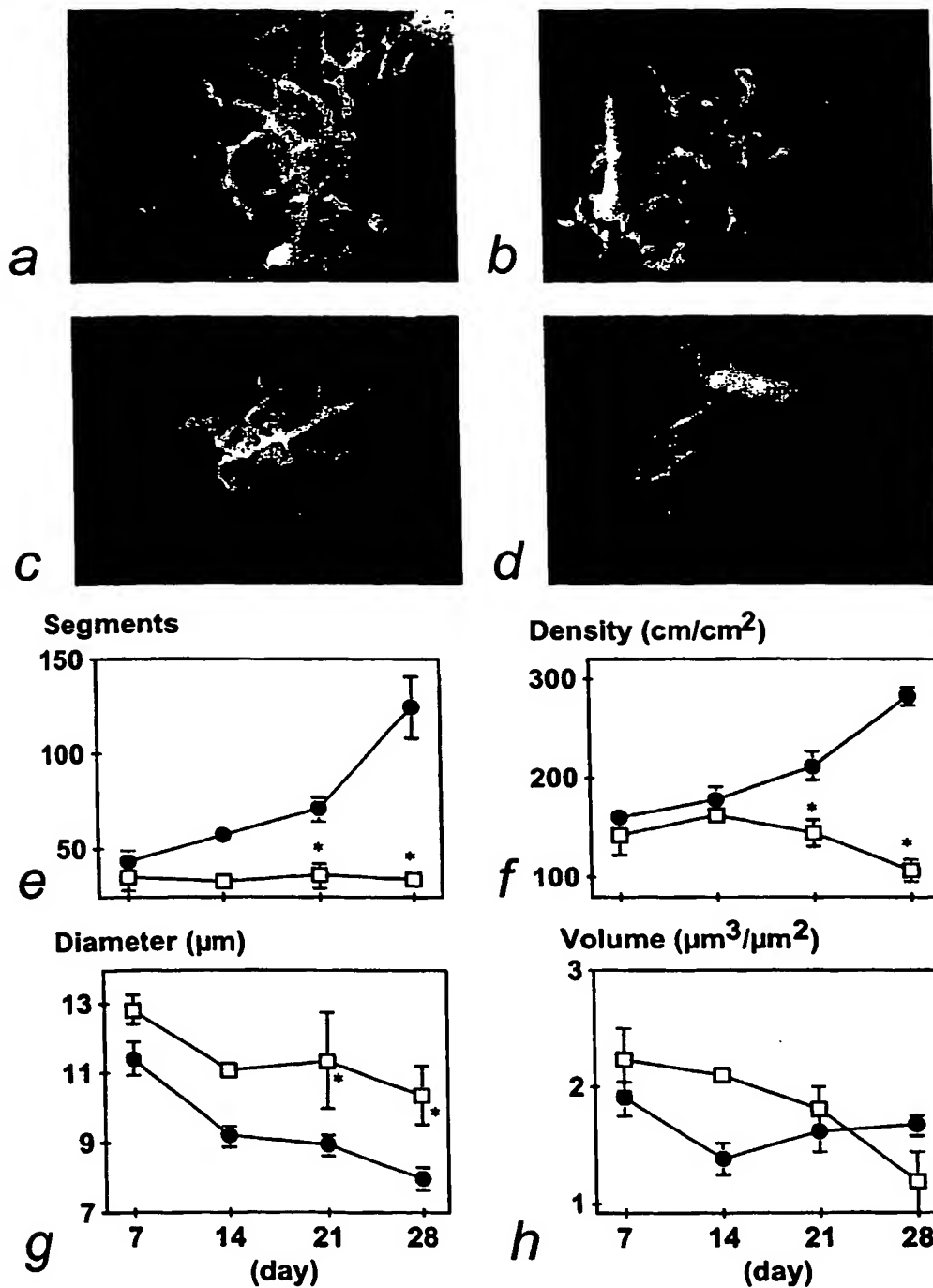
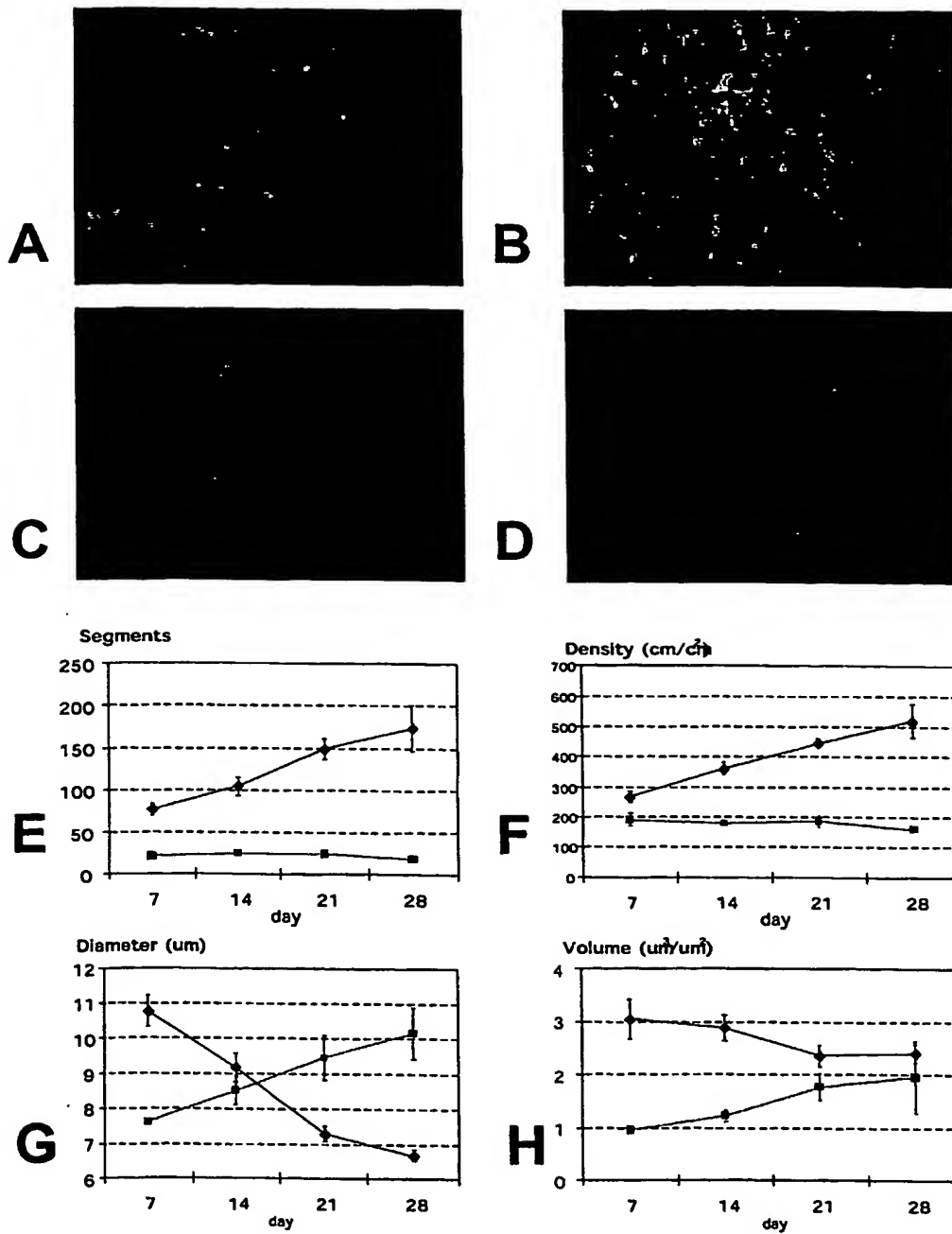


Figures 1A-1J

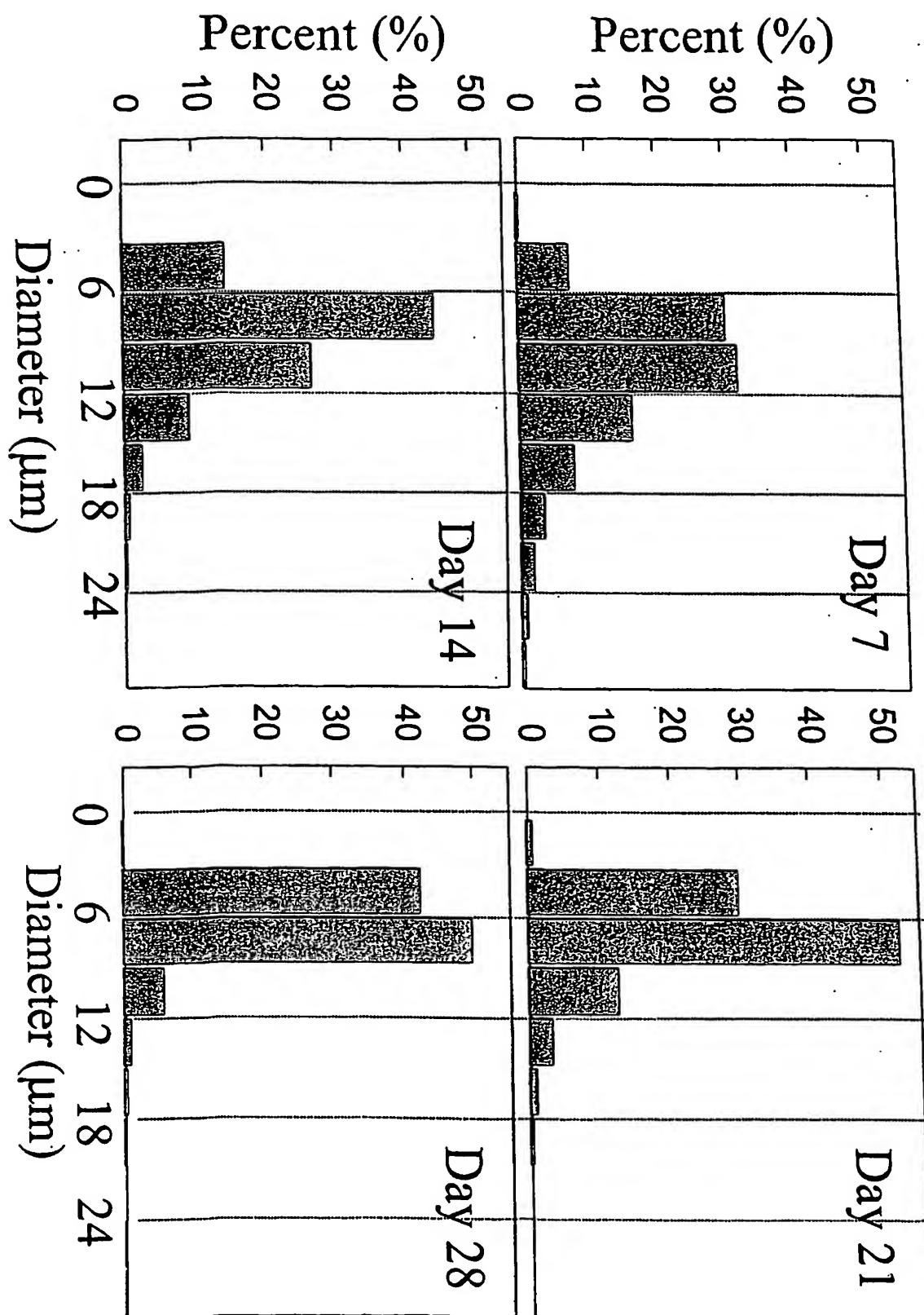


Figures 2A-2H



Figures 3A-3H

Figure 4



Figures 5A-5C

a



b



c

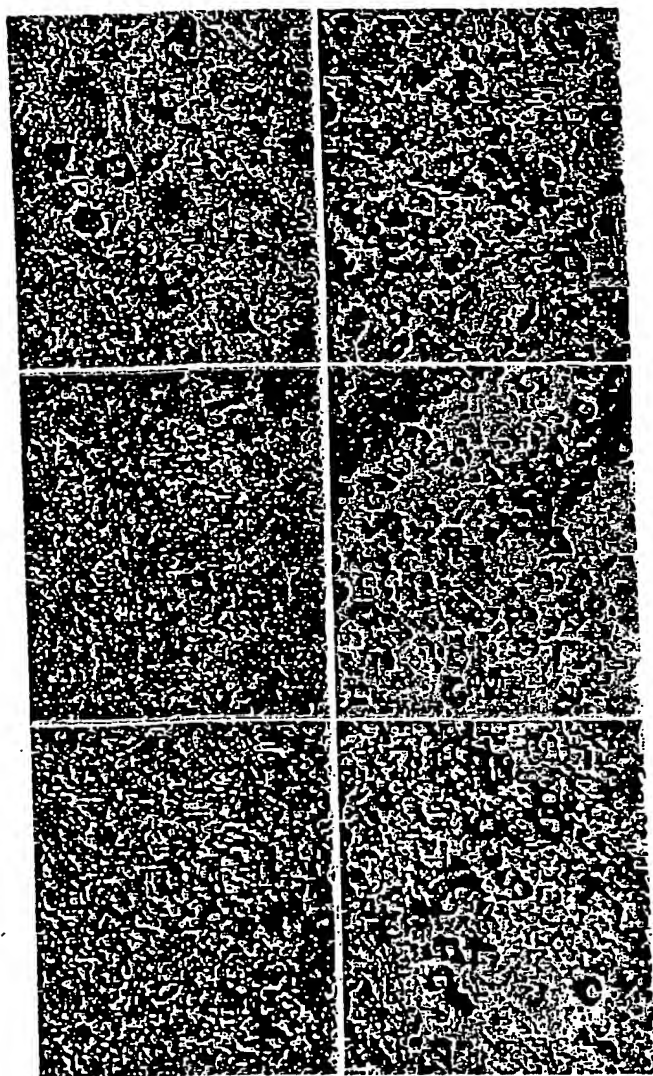


Figure 6

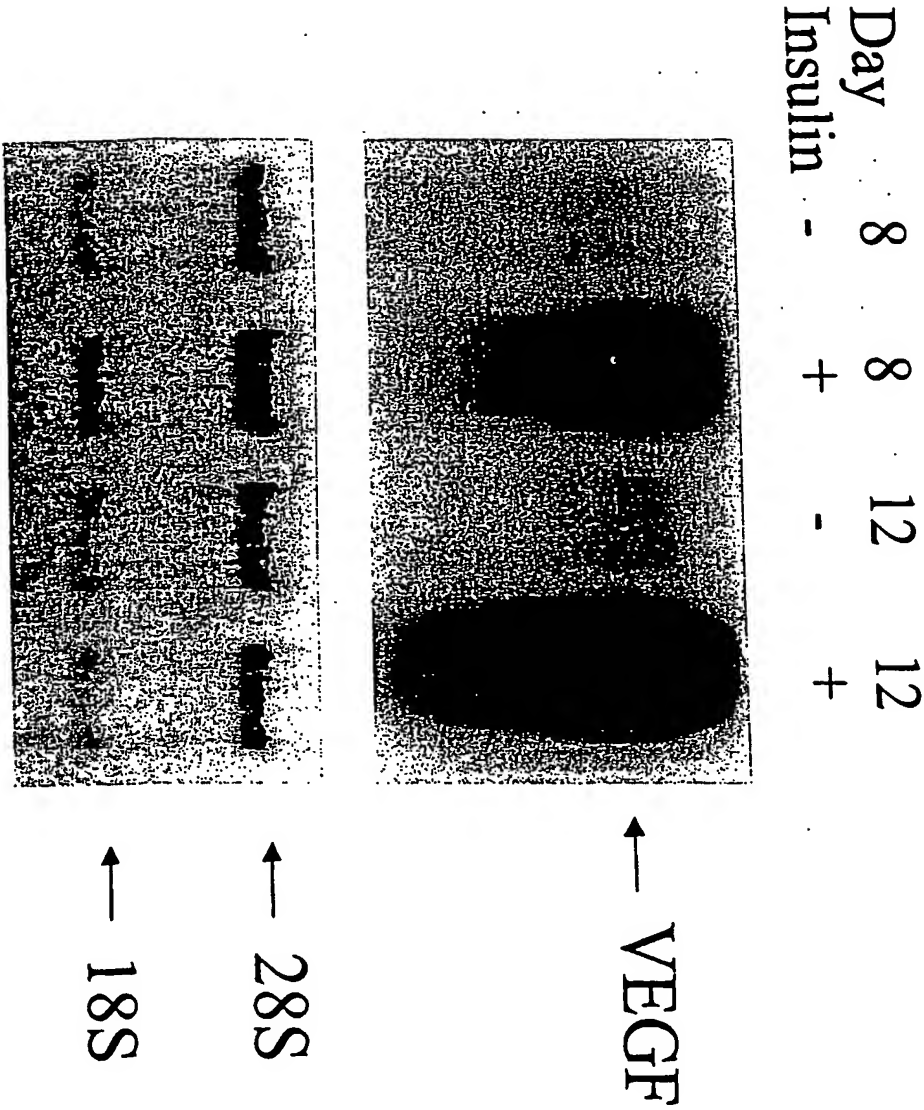


Figure 7A

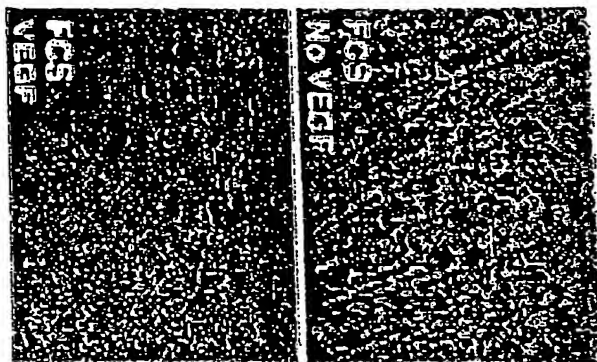
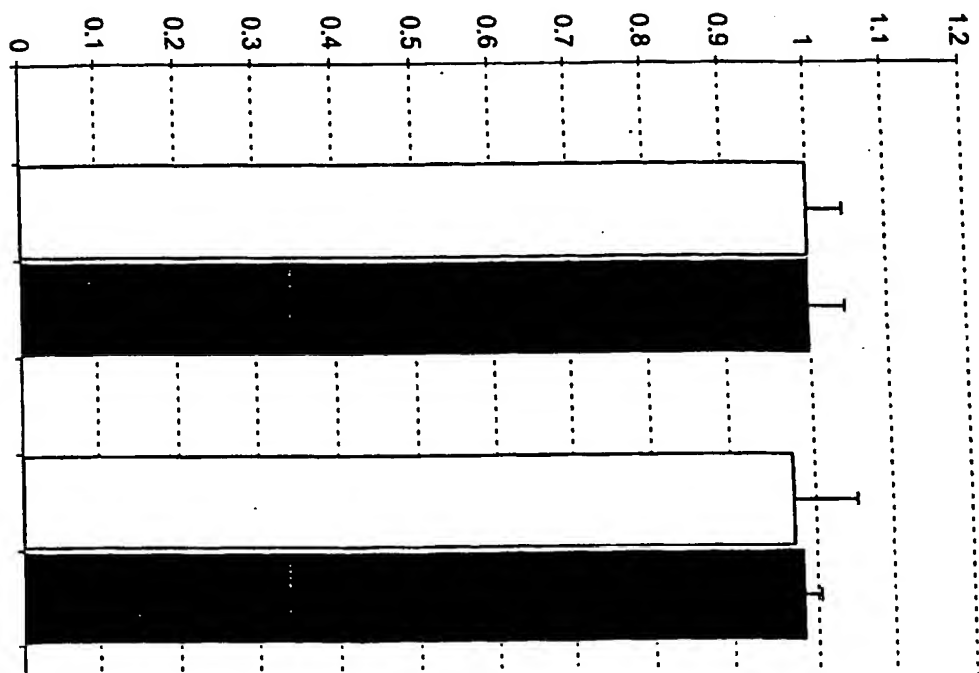


Figure 7B

VEGF

-

50 ng/ml



□ 3T3 442A

■ NIH 3T3



A

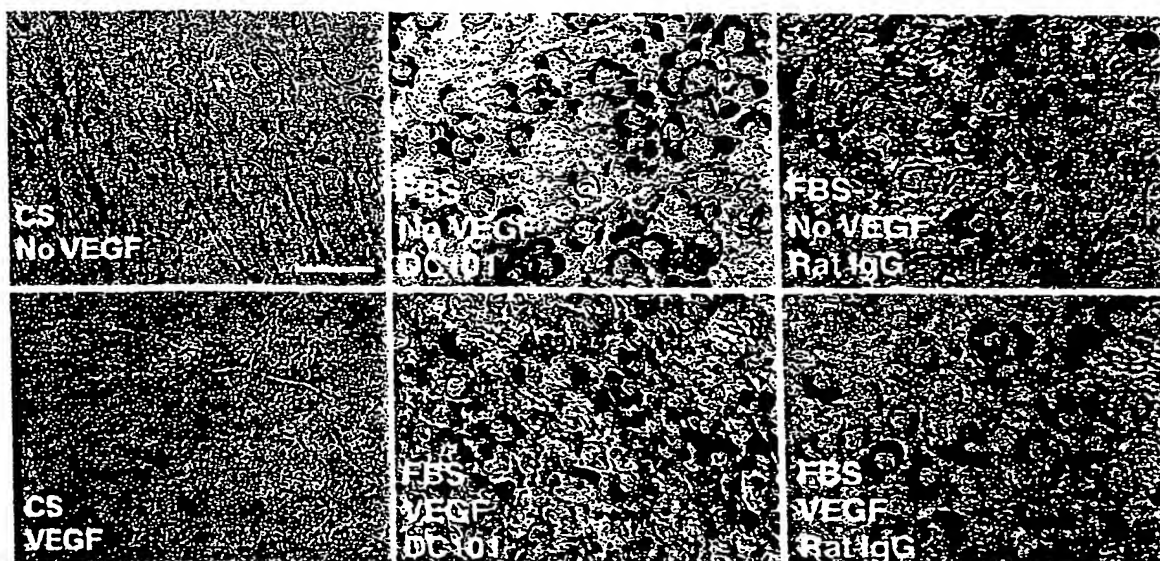
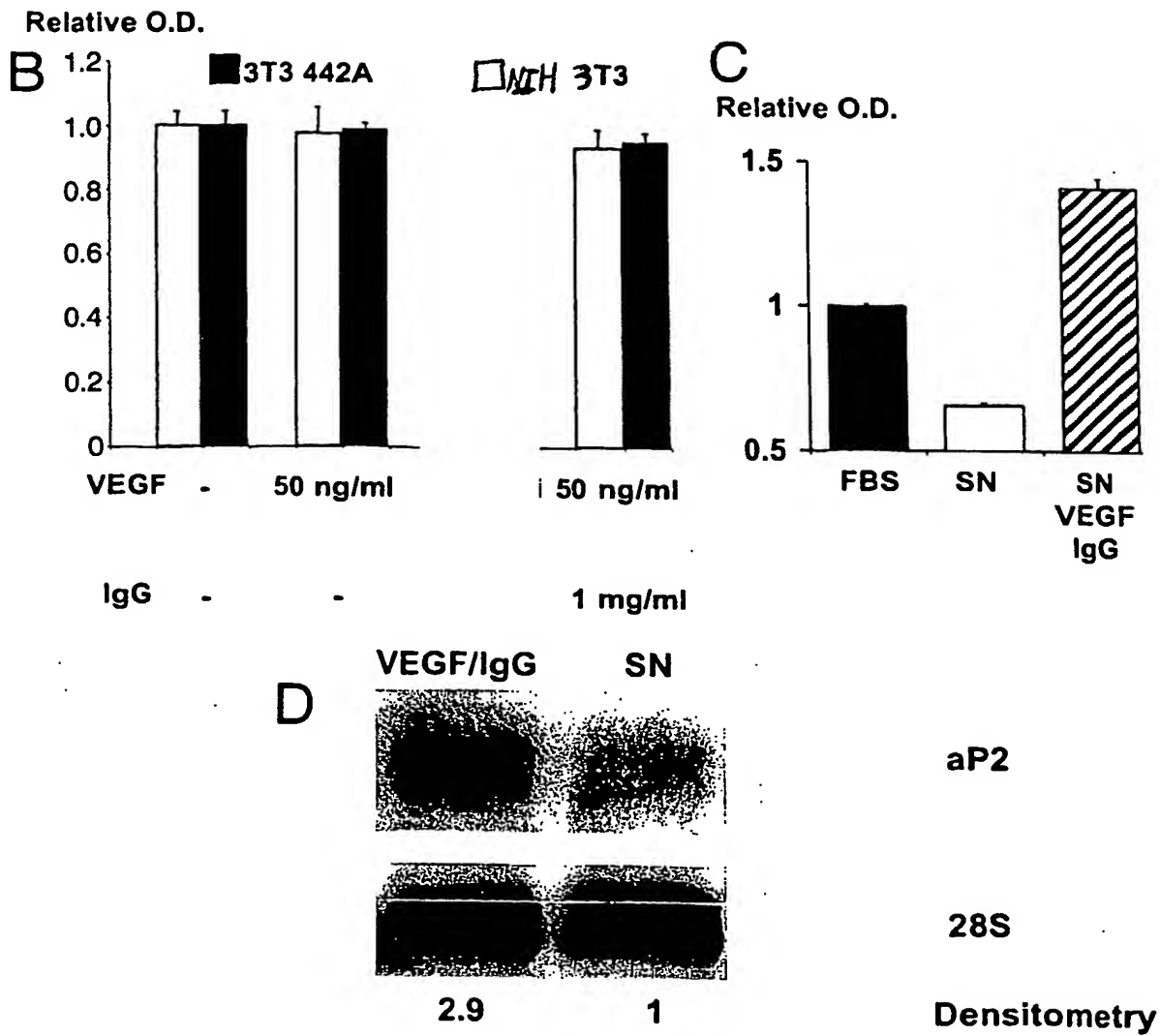


Figure 8A



Figures 8B-8D

Fig. 9

Gene name	Sense primer	Antisense primer
Ang-1	5'-ATGACAGTTTCTTCTTCCCTTGCA-3' (SEQ ID NO: 1) & 5'-TTCTTCGCTGCCATCTCTGACTCAC-3' (SEQ ID NO: 2)	5'-CATCATGTTGGTGGAACGTAAGGA-3' (SEQ ID NO: 3)
Ang-2	5'-ATGTGCAGATCAATTTCCCTACT-3' (SEQ ID NO: 4) & 5'-TTGGCTGGGATCTTGTCTTGGC-3' (SEQ ID NO: 5)	5'-CCAGTAGTACCACCTTGATACCGTT-3' (SEQ ID NO: 6)
AP2	5'-CTGGAAGACAGCTCCTCCTCGAAG-3' (SEQ ID NO: 7) & 5'-ATGTGTGATGCCCTTTGTGGGAAC-3' (SEQ ID NO: 8)	5'-TAATCAACATAACCATATCCAAT-3' (SEQ ID NO: 9)
VEGF	5'-TCC GGA TCC ATG AAC TTT C-3' (SEQ ID NO: 10)	5'-TGG CTC ACC GCC TTG GCT-3' (SEQ ID NO: 11)
L13a	5'-GGGGCAGGTTCTGGTAITGGATG-3' (SEQ ID NO: 12)	5'-CCTCGCACAGTGCGCCAGAAAATG-3' (SEQ ID NO: 13)
VEGF-B	5'-GCTGCTTGTTGCACCTGCTGCAGCT-3' (SEQ ID NO: 14)	5'-TCTGCATTACATTGGCTGTGTTTC-3' (SEQ ID NO: 15)
VEGF-C	5'-ATGCACCTTGCTGTGCTTCTTGTCT-3' (SEQ ID NO: 16)	5'-CTCTGTGTTAATAATGTGCAGCAGC-3' (SEQ ID NO: 17)
VEGF-D	5'-CCTCATGATGTTCCATGTGTACTT-3' (SEQ ID NO: 18)	5'-TGTCTCTCTAGGGCTGCATTGGGT-3' (SEQ ID NO: 19)
Osteopontin	5'-CATGAGATTGGCAGTGATTTGCTT-3' (SEQ ID NO: 20)	5'-TCTGCTTGTGTACTAGCAGTGACG-3' (SEQ ID NO: 21)
Efin B2	5'-AGGACTCTGTGTGGAAGTACTGTT-3' (SEQ ID NO: 22)	5'-CTGTCTGGCACAGTTGAGCAGTG-3' (SEQ ID NO: 23)
HIF1α	5'-GGCGCGAGACGAGAGAAAAG-3' (SEQ ID NO: 24)	5'-CACGTTATCAGAAATGTAAACCAT-3' (SEQ ID NO: 25)

Figure 10

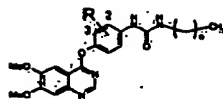
Genebank	Gene name	In vitro			Comments
		3T3-442N PPARy DN	3T3-442N Preadipocyte	3T3-442N Adipocyte	
NM_009621	Adams1	(+)	(+)	(+)	Decreased in adipocytes (x3)
NM_013906	Adams8	N.D.	N.D.	N.D.	Not detectable by RT-PCR
U63509	angiotensin-1	N.D.	N.D.	N.D.	
NM_007426	angiotensin2	(+)	(+)	(+)	Decreased in adipocytes (x2), Increased by PPARy DN (x27)
U22516	angiogenin	N.D.	N.D.	N.D.	Increased in adipocytes (x13)
NM_007643	CD36	(+)	(+)	(+)	
NM_009868	cadherin 5	(+)	N.D.	N.D.	Increased by PPARy DN (x57)
NM_007693	Vasostatin/chromogranin A	N.D.	N.D.	N.D.	
NM_009929	procollagen, type XVIII, alpha 1	N.D.	N.D.	N.D.	Increased by PPARy DN (x57)
M13926	G-CSF	(+)	(+)	(+)	
NM_010217	Tissue factor	N.D.	N.D.	N.D.	Increased in adipocytes (x2.5), Increased by PPARy DN (x5.5)
NM_007901	Edg1	N.D.	N.D.	N.D.	
NM_007909	Ephrin A2	N.D.	N.D.	N.D.	Increased in adipocytes (x2.5)
NM_010109	Ephrin A receptor	N.D.	N.D.	N.D.	
NM_010111	Ephrin B2	(+)	(+)	(+)	Decreased in adipocytes (x2.5), Increased by PPARy DN (x5.5)
NM_010113	EGF	N.D.	N.D.	N.D.	
NM_007912	EGFR	(+)	(+)	(+)	Increased by PPARy DN (x2.5)
NM_007932	endoglin	N.D.	N.D.	N.D.	
NM_010144	Ephrin B4	(+)	(+)	(+)	Increased by PPARy DN (x2.5)
U71126	erb-2	N.D.	N.D.	N.D.	
NM_011808	c-els1	N.D.	N.D.	N.D.	Increased by PPARy DN (x2.5)
NM_010168	Prothrombin kringle-1	(+)	(+)	(+)	
U67610	aFGF	N.D.	N.D.	N.D.	Increased by PPARy DN (x2.5)
NM_030614	FGF16	(+)	(+)	(+)	
M30644	bFGF	N.D.	N.D.	N.D.	Increased by PPARy DN (x2.5)
M30642	FGF4	N.D.	N.D.	N.D.	
M92416	FGF6	N.D.	N.D.	N.D.	

NM_00803	FGF7/KGF	(+)	(+)	(+)	
NM_033760	FGFR1 (FLG)	N.D.	N.D.	N.D.	
NM_0181342	FGFR3	N.D.	N.D.	N.D.	
NM_008011	FGFR4	(+)	(+)	(+)	Increased by PPAR $\gamma$ DN (x2.5)
NM_008628	VEGF-D/FIGF	(+)	(+)	(+)	
NM_008397	KDR	N.D.	N.D.	N.D.	
NM_007297	VEGFR	N.D.	N.D.	N.D.	
NM_018194	Fn1	(+)	(+)	(+)	Increased in adipocytes (x4)
NM_004596	Gro1	N.D.	N.D.	N.D.	
NM_004046	HGF	N.D.	N.D.	N.D.	
NM_010431	Hif1a	(+)	(+)	(+)	
NM_031885	ID1	(+)	(+)	(+)	
NM_008321	ID3	(+)	(+)	(+)	
NM_010502	IFNA1	N.D.	(+)	(+)	
NM_010510	IFNB1	N.D.	(+)	(+)	Increased by PPAR $\gamma$ DN (x15)
NM_000083	IFN $\gamma$	(+)	N.D.	N.D.	
NM_010512	IGF-1	N.D.	N.D.	N.D.	
NM_010548	IL-10	N.D.	N.D.	N.D.	
NM_006672	IL-12A	N.D.	N.D.	N.D.	
NM_010577	Integrin $\alpha 5$	(+)	(+)	(+)	
NM_008402	Integrin $\alpha V$	(+)	(+)	(+)	
NM_016780	CD61	N.D.	N.D.	N.D.	
NM_008539	Madh1	(+)	(+)	(+)	
NM_010784	Midkine	(+)	(+)	(+)	
NM_008610	gelatinase A	(+)	(+)	(+)	
NM_013599	gelatinase B	N.D.	N.D.	N.D.	
NM_031195	SRA	N.D.	N.D.	N.D.	
NM_008713	NOS3	(+)	(+)	(+)	
NM_008737	neuropilin	(+)	(+)	(+)	
NM_008737	neuropilin	(+)	(+)	(+)	
NM_008737	neuropilin	(+)	(+)	(+)	
M29464	PDGF a	N.D.	N.D.	N.D.	
AF162784	PDGF b	N.D.	N.D.	N.D.	
NM_011058	PDGFRa	(+)	(+)	(+)	
NM_008809	PDGFRb	N.D.	N.D.	N.D.	

NM_008816	PECAM1	N.D.	N.D.	N.D.	Decreased in adipocytes (x2)
AB017491	PF 4	N.D.	N.D.	N.D.	
NM_008827	Placental growth factor	N.D.	N.D.	N.D.	
X02389	PLAU	N.D.	N.D.	N.D.	
NM_008969	PTGS1	(+)	(+)	(+)	
NM_011198	Cox-2	N.D.	N.D.	N.D.	
D90225	pleiotrophin	(+)	(+)	(+)	
NM_019765	Restin	(+)	(+)	(+)	
NM_011333	Scya2	(+)	(+)	(+)	
NM_009257	maspin	(+)	(+)	(+)	
M33960	PAI-1	(+)	(+)	(+)	Very high
X16490	PAI-2	N.D.	N.D.	N.D.	
AF017057	PEDF	(+)	(+)	(+)	
NM_009242	SPARC	(+)	(+)	(+)	
NM_009263	osteopontin	(+)	(+)	(+)	
D13738	Tie-2	N.D.	N.D.	N.D.	
U65016	TGF- $\alpha$	N.D.	N.D.	N.D.	
M13177	TGF $\beta$ 1	N.D.	N.D.	N.D.	
X57413	TGF $\beta$ 2	N.D.	N.D.	N.D.	
M32745	TGF $\beta$ 3	N.D.	N.D.	N.D.	
D26526	TGFBRI(ALK-5)	N.D.	N.D.	(+)	Increased in adipocytes (x2)
NM_009371	TGFBRI2	(+)	(+)	(+)	
AF039601	betaglycan	(+)	(+)	(+)	
M87276	THBS1	N.D.	N.D.	N.D.	
L07803	THBS2	(+)	(+)	(+)	
L24434	THBS2	N.D.	N.D.	N.D.	
AF102887	THBS3	N.D.	N.D.	N.D.	
X73960	Tie1	(+)	(+)	(+)	
NM_011593	THBS1	(+)	(+)	(+)	
0	THBS2	(+)	(+)	(+)	
NM_011607	tenascin C	(+)	(+)	(+)	Decreased in adipocytes (x2), Increased by PPAR $\gamma$ DN (x5.5)
NM_013693	TNF $\alpha$	N.D.	N.D.	N.D.	
M84487	VCAM-1	N.D.	N.D.	N.D.	

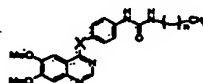
				Increased in adipocytes (x2), Decreased by PPARγ DN (x)
Mes200	VEGF	(+)	(+)	(+)
U48800	VEGF-B	(+)	(+)	(+)
U73122	VEGF-C	(+)	(+)	(+)
				Low

A.



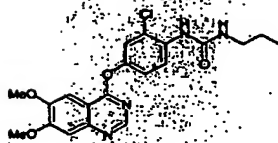
No.	R	n.
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2	H	2 (H)
3	H	3 (H)
4	H	4 (H)
5	2-O	0 (H)
6	2-O	1 (E)
7	2-O	2 (H)
8	2-O	3 (H)
9	2-O	4 (H)
10	2-O	5 (H)
11	2-F	2 (H)
12	2-H	2 (H)
13	2-H	2 (H)
14	2-H	2 (H)
15	2-F	3 (H)
16	2-H	3 (H)
17	2-H	3 (H)
18	2-H	3 (H)

B.

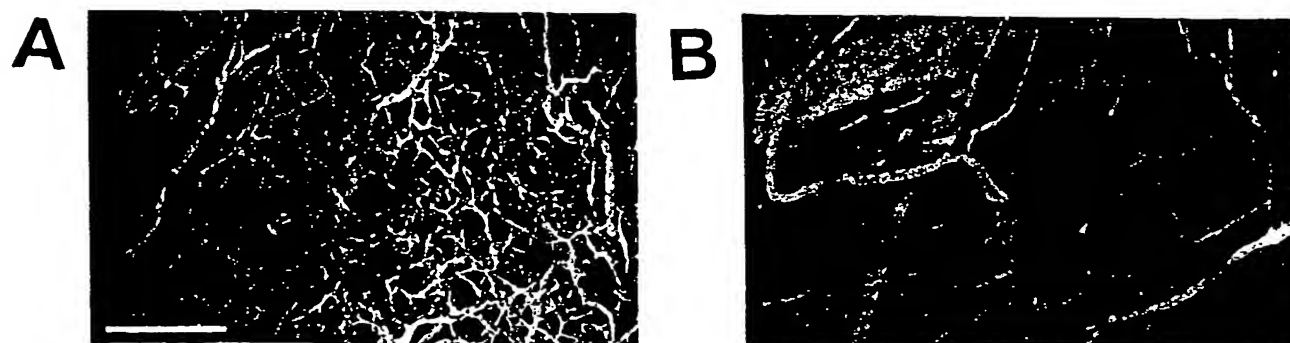


No.	X	n	
1	O	1	(EU)
2	O	2	(nPr)
19	NH	1	(EU)
20	NH	2	(nPr)
21	NH <sub>2</sub>	1	(EU)
22	NH <sub>2</sub>	2	(nPr)

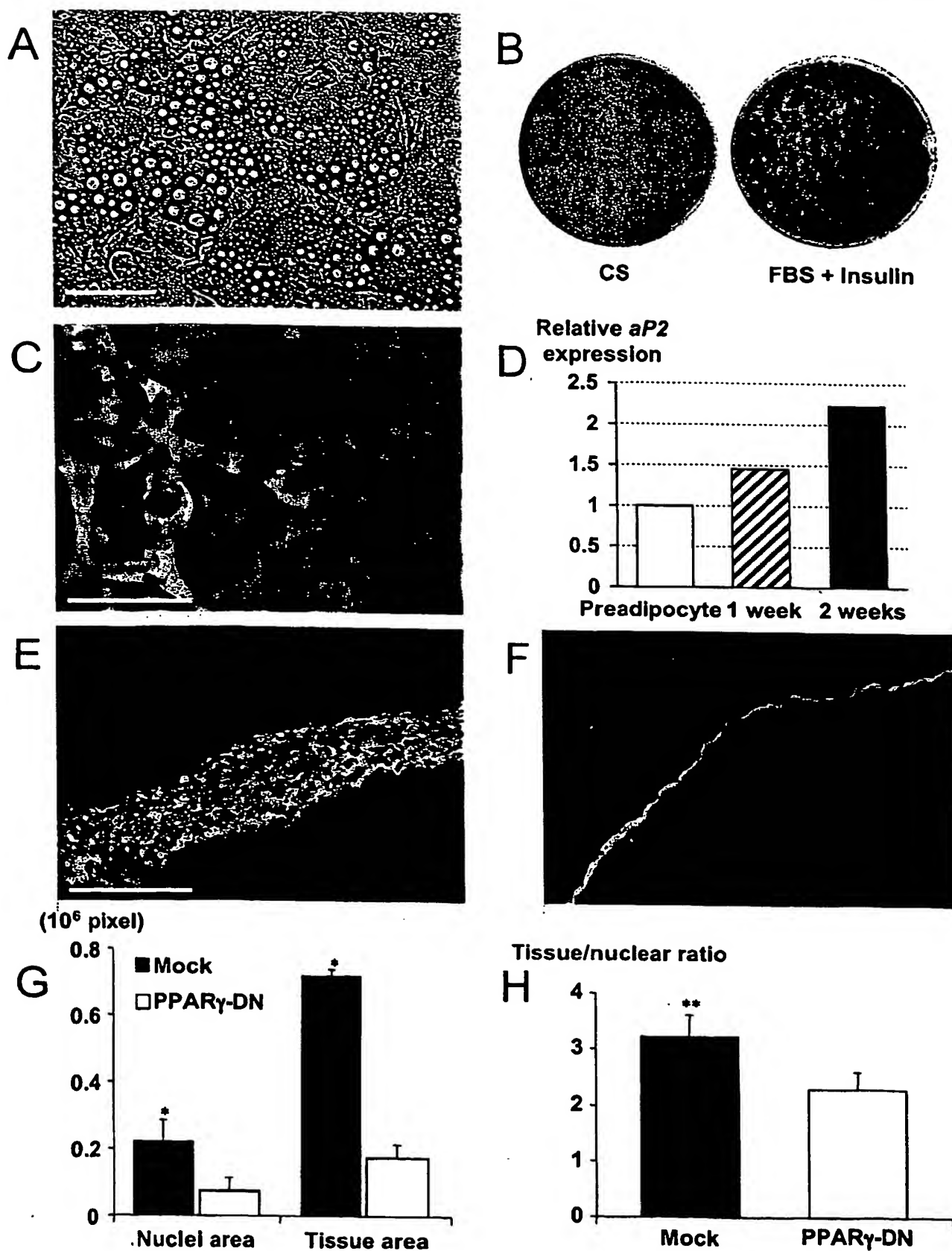
C.







**Figures 12A and 12B**



Figures 13A – 13H

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